

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

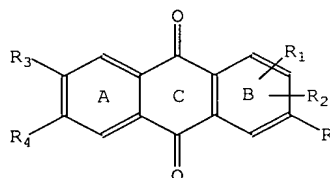
LISTING OF CLAIMS

Claims 1 - 21 (Cancelled)

-22- (Currently Amended)

An antihelminthic composition which comprises:

(a) at least one anthraquinone of the formula:



wherein R_1 , R_2 , R_3 , and R_4 are selected from the group consisting of hydrogen, hydroxy, halogen, R_3 or R_4 is methyl, R_1 acetoxy, ~~COOH~~, O- β -D-glucopyranoside, and R_2 -O-malonyl-(1-6 O- β -D-glucopyranoside groups, which provides antihelminthic activity, R is selected from the group consisting of methyl, hydroxy, hydroxymethyl, COOH, and methyl-O- β -D-glucopyranoside groups, and the halogen is selected from the group consisting of I, F, Br, and Cl, but not 1,2,8-trihydroxy-3-methyl anthraquinone or 1,8-hydroxy-3-R-anthraquinone where R is methyl, hydroxyl, hydroxymethyl or COOH; and

(b) a pharmaceutically acceptable carrier, wherein the composition contains between about 1 and 1,000

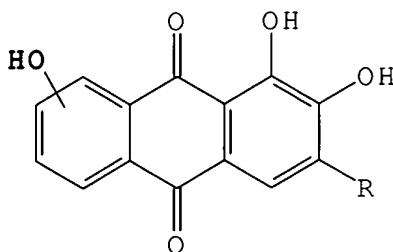
Appln. No. 10/761,071
Amdt. Dated: April 4, 2006
Attorney Docket No.: MSU 4.1-691
Reply to Office Action of 03/01/2006
And Advisory Action of 03/30/2006

micrograms of the anthraquinone per milliliter or gram of the carrier.

-23-(Previously Amended)

An antihelminthic composition which comprises:

(a) at least one anthraquinone of the formula:



wherein R is selected from the group consisting of hydroxymethyl, COOH, and -methyl-O- β -D-glucopyranoside groups; and

(b) a pharmaceutically acceptable carrier, wherein the composition contains between about 1 and 1,000 micrograms of the anthraquinone per milliliter or gram of the carrier.

-24- (Previously Amended)

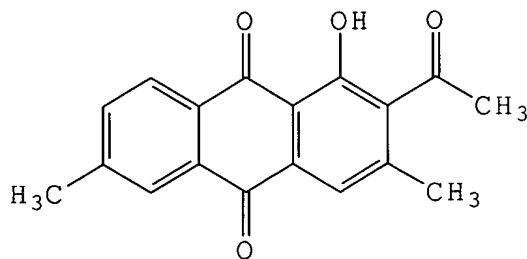
An antihelminthic composition which comprises:

(a) at least one anthraquinone selected from the group consisting of 1-hydroxy-2-acetyl-3,6-methyl anthraquinone, 2-acetyl-3,6-methyl anthraquinone monoacetate, 1-hydroxy-2-acetyl-3,7-methyl anthraquinone, 2-acetyl-3,7-methyl anthraquinone monoacetate, 1,8-dihydroxy-2-O-C-D-glucopyranoside anthraquinone, 1,2,8-trihydroxy-3-hydroxymethyl anthraquinone, and 1,8-dihydroxy-3-carboxy anthraquinone; and

(b) a pharmaceutically acceptable carrier, wherein the composition contains between about 1 and 1,000 micrograms of the anthraquinone per milliliter or gram of the carrier.

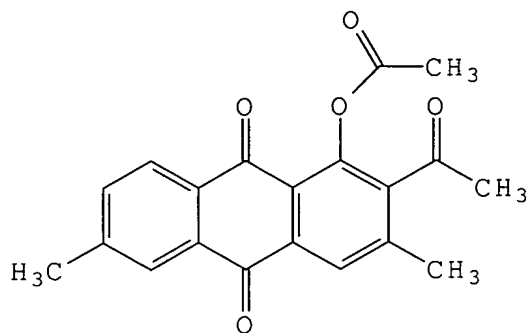
-25- (Previously presented)

An isolated and purified anthraquinone which has the formula:



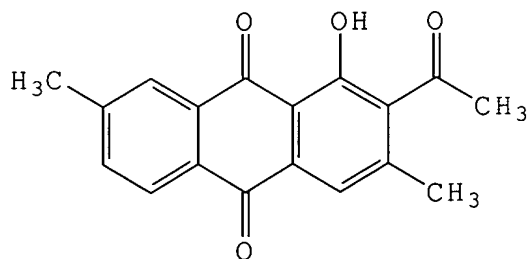
-26- (Previously presented)

An isolated and purified anthraquinone which has the formula:



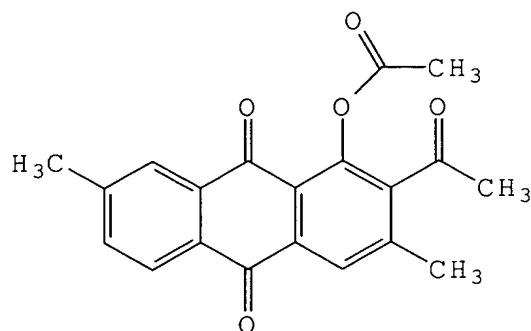
-27- (Previously presented)

An isolated and purified anthraquinone which has the formula:



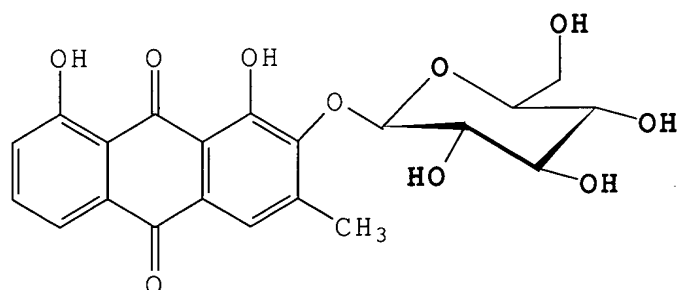
-28- (Previously presented)

An isolated and purified anthraquinone which has the formula:



-29- (Previously presented)

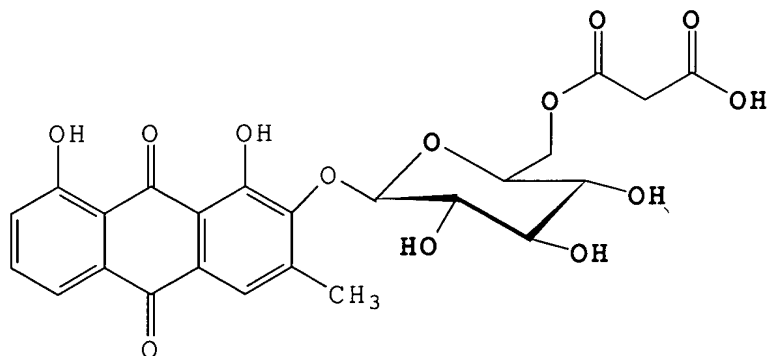
An isolated and purified anthraquinone which has the formula:



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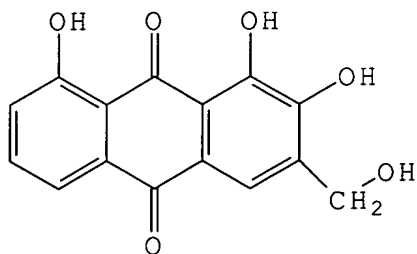
-30- (Previously presented)

An isolated and purified anthraquinone which has
the formula:



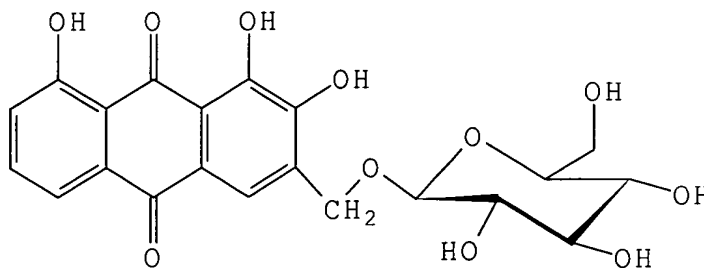
-31- (Previously presented)

An isolated and purified anthraquinone which has
the formula:



-32- (Previously presented)

An isolated and purified anthraquinone which has the formula:



-33- (Previously presented)

An isolated and purified anthraquinone which has the formula:

